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CITY OF MEDICINE

## City of Durham -- Bid Tabulation

**Bid Title: GPS Equipment**

**Bid No. 10-047-02**

**Due Date & Time: October 21, 2002 @ 2:00 p.m.**

Item No.	Qty.	Product No.	Description	Clausen Instrument Company, Inc.	Leica Geosystems, Inc.	Earl Dudley Associates, Inc.
1.	1 each	722067	RS500 GPS Dual Frequency Receiver			
2.	1 each	667132	AT504 Choke Ring Antenna		\$11,765.00 ea.	\$11,294.00 ea.
3.	1 each	667140	Radome for AT504		\$4,500.00 ea.	\$4,320.00 ea.
4.	1 each	722105	Antenna Mount Bracket		\$200.00 ea.	192.00 ea.
5.	1 each	8211476	40m Antenna Cable for RS500		\$200.00 ea.	\$192.00 ea.
6.	1 each	8211972	A.C. Power Supply 15v D.C.		\$310.00 ea.	\$384.00 ea.
7.	1 each	667261	Control Station Software		\$200.00 ea.	\$192.00 ea.
					\$2,000.00 ea.	\$1,920.00 ea.

				Clausen Instrument Company, Inc.	Leica Geosystems, Inc.	Earl Dudley Associates, Inc.
Item No.	Qty.	Product No.	Description			
8.	1 each	n/a	Lightning Arrester		\$350.00 ea.	\$990.00 ea.
9.	2 each	n/a	Days of Installation Assistance & On- site Operational Training		\$1,250.00 ea.	
						\$800.00 ea.
10.	1 each	712164	User Manual		\$0.00	\$0.00
			SR530 Dual Frequency Receivers		\$14,800.00 ea.	
11.	2 each	667122	14,800			\$14,356.00 ea.
			Technical- documentation package, English		\$0.00 ea.	
12.	2 each	667194	TR500			\$0.00
13.	2 each	667127	Terminals		\$1,500 ea.	\$1,455.00 ea.
			AT502 Dual Frequency Antennas		\$1,550.00 ea.	
14.	2 each	667126				\$1,503.50 ea.
					\$55.00 ea.	
15.	2 each	636959	2.8m Antenna to Receiver Cables			\$53.35 ea.

				Clausen Instrument Company, Inc.	Leica Geosystems, Inc.	Earl Dudley Associates, Inc.
Item No.	Qty.	Product No.	Description			
16.	4 each	560130	1.8m Receiver to Terminal & Battery Cables		\$130.00 ea.	\$126.10 ea.
17.	2 each	667123	GEB 121 Camcorder Batteries		\$110.00 ea.	\$106.70 ea.
18.	2 each	409667	GEB 71 NiCd External Batteries		\$590.00 ea.	\$572.30 ea.
19.	1 each	n/a	GKL 122 Charger for GEB 121 & GEB 71		\$435.00 ea.	\$421.95 ea.
20.	2 each	667217	GAD 31 Screw to Stud Adapter		\$160.00 ea.	\$155.20 ea.
21.	2 each	667313	GRT 144 Antenna Carrier		\$135.00 ea.	\$130.95 ea.
22.	2 each	667244	Antenna Height Hook		\$220.00 ea.	\$213.40 ea.
23.	2 each	667307	GDF 122 Tribrach		\$495.00 ea.	\$480.15 ea.
24.	2 each	667136	Transport Case		\$230.00 ea.	\$223.10 ea.
25.	2 each	667223	Aluminum Pole grip w/bubble & fixing element		\$180.00 ea.	\$174.60 ea.

				Clausen Instrument Company, Inc.	Leica Geosystems, Inc.	Earl Dudley Associates, Inc.
Item No.	Qty.	Product No.	Description			
26.	2 each	667138	Holder for terminal on pole Top section aluminum pole w/stub		\$100.00 ea.	\$97.00 ea.
27.	2 each	667224	Bottom section aluminum pole w/steel tip		\$100.00ea.	\$97.00 ea.
28.	2 each	667221	Minipack Backpack		\$100.00 ea.	\$97.00 ea.
29.	2 each	667137			\$150.00 ea.	\$145.50 ea.
30.	1 each	667245	SKI-Pro software on CD		\$100.00 ea.	\$242.50 ea.
31.	1 each	667256	SKI-Pro Single License		\$0.00	\$0.00
32.	1 each	667250	L1 & L2 data processing, protected option		\$3,500.00 ea.	\$3,395.00 ea.
33.	1 each	667251	Datum+Map transformation, protected option		\$800.00 ea.	\$776.00 ea.

				Clausen Instrument Company, Inc.	Leica Geosystems, Inc.	Earl Dudley Associates, Inc.
Item No.	Qty.	Product No.	Description			
34.	1 each	667252	Design & Adjustment, protected option		\$1,500.00 ea.	\$1,455.00 ea.
35.	1 each	667253	GIS/CAD output, protected option		\$1,000.00 ea.	\$970.00 ea.
36.	1 each	667254	RINEX import, protected option		\$500.00 ea.	\$485.00 ea.
37.	2 each	667272	GIS firmware for rovers		\$2,250.00 ea.	\$2,182.50 ea.
38.	10 each	n/a	Day of Static/RTK training for group of 6 people to be held in City of Durham: dates and times to be spread out over the course of a year and at the City's convenience		\$1,250.00 ea.	\$650.00 ea.

					Clausen Instrument Company, Inc.	Leica Geosystems, Inc.	Earl Dudley Associates, Inc.
				TOTAL	\$73,505.00 (2)	\$88,550.00	\$79,920.35 (1)

(1) Recommended Bid

(2) Bid did not fully comply with bid requirements

**TO:** JOE CLARK, PURCHASING DIVISION  
**FROM:** DOUG VAUGHN, MANAGER, STORMWATER SERVICES DIVISION  
**SUBJECT:** GPS EQUIPMENT BID (BID NO. 10-047-02)  
**DATE:** OCTOBER 28, 2002

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Please be advised that the bid supplied by Clausen Instrument Company, Inc. for the above referenced purchase does not include equivalent equipment as per the bid specifications. Also, this bidder did not reference the Item No.s on the Bid Proposal Form and neglected to provide a cost for all items (or their equivalent) listed or address the reasons for the absences of the items. The deficiencies in the Clausen Instrument Company, Inc. bid include, but may not be limited to the following:

- Missing costs for items 8, 10, 17 through 23, 29, and 37 of the Bid Proposal Form,
- GPS receiver performance specifications provided for reliability (67%) are significantly less than the City's bid specifications (better than 99.99%)
- GPS receiver performance specifications provided for error in accuracy (1ppm static, 2ppm kinematic) are double than the City's bid specifications (0.5ppm static, 1ppm kinematic),
- No range was specified in the GPS receiver performance standards,
- Cost for Antenna Cable is for 30m instead of the required 40m,

In consideration of this information, the Stormwater Services Division does not consider the bid submitted by Clausen Instrument Company, Inc. a qualifying bid.

The bids submitted by Earl Dudley Associates, Inc. and Leica Geosystems Inc. meet the specifications in the City's GPS Equipment bid (no. 10-047-02). Stormwater Services recognizes Earl Dudley Associates, Inc. as the lowest qualifying bidder for this acquisition and requests expediting of the purchase requisition with this company.

Please contact Christy Sokol or me if you have any questions or require additional information. Thanks for your help with this matter.